

AMENDMENTS TO THE CLAIMS

Claims 1-11. (cancelled)

12. (Currently amended) Device for the selective metering of seed intended essentially for sowing or and/or reseeding soils and of additives intended essentially for improving and/or treating the soils;

~~the~~ said device comprising:

a) a hopper (1) for holding the seed or the additives or both;
b) a unit for the selective metering (2, 3 and 4) ~~(1, 2 and 3)~~ of the seed or of the additives or both originating from the hopper;
c) means 5 and 6 ~~(5 and 6)~~, for transferring the seed or the additives or both originating from the metering unit into furrows created in the soil by means of a scarification unit provided with a plurality of discs (7);

wherein the unit for the selective metering of the seed and additives originating from the hopper (1) comprises:

a) a selective metering roll (2) comprising, longitudinally, a plurality of successive zones (Z) ~~Z~~, each zone being subdivided into at least two zones (Z1 and Z2) ~~Z1 and Z2~~, and provided with means (2A, 2B and 2C) ~~2A, 2B and 2C~~, suitable for metering the seed or the additives according to their particle size;
b) a means (3) comprising a plurality of openings (3A) ~~3A~~, separated by solid parts, suitable by the lateral movement of ~~the~~ said means (3) relative to metering roll (2)

for making the seed or additives originating from the hopper (1) communicate either with the zone (Z1) Z1 or with the zone (Z2) Z2;

c) a means (4) 4, comprising a plurality of openings separated by solid parts, suitable by the lateral movement of ~~the~~ said means (4) relative to said means (3) for blocking off to a greater or lesser extent, the openings (3A) 3A of the means (3) 3.

13. (Currently amended) Device according to claim 12, wherein one of the means of the unit for selective metering ~~the means~~ (2A) comprises axial flutes (2A) disposed on the periphery of the entire width of the zone Z1 (Z1).

14. (Currently amended) Device according to claim 12, wherein ~~the~~ means 2B (2B) comprises a smooth external casing of the roll (2) which occupies a part of the width of the zone Z2 (Z2) and in that at least the part of the said roll concerned by the ~~said~~ casing is made out of dielectric material charged with electric particles due to rubbing during the rotation of the roll (2) of a sweeping brush means 8(8) ~~of the sweeping brush type~~.

15. (Currently amended) Device according to claim 12 wherein ~~the~~ means 2C (2C) comprises spot facings formed on the periphery of the part of the width of the zone Z2 (Z2) not occupied by the means 2B (2B).

16. (Currently amended) Device according to claim 14 wherein the means 2C
(2C) comprises spot facings formed on the periphery of the part of the width of the zone Z2 (Z2)
not occupied by the means 2B (2B).

17. (Previously presented) Device according to claim 12, wherein the means for the transfer of the seed or of the additives originating from the metering unit, into the furrows made in the soil by the scarification unit, comprise a funnel (5) fitted with a tube (5A) linked to a hollow sowing finger (6).

18. (Previously presented) Device according to claim 17, wherein each hollow sowing finger (6) comprises a hollow sliding extension the travel of which is suitable to enable its bottom extremity to transfer the seed or the additives as near as possible to the furrows.

19. (Previously presented) Device according to claim 17, wherein each hollow sowing finger (6) comprises an arm (9) suitable for parting the grass on either side of the furrows.

20. (Currently amended) Device according to claim 17, wherein each hollow sowing finger (6) comprises sliding capillary tubes (13) suitable for transferring liquid additives as close as possible to the furrows.

21. (Cancelled)

22. (Previously presented) Device according to claim 12, wherein the speed of rotation of the distribution roll (2) is controlled by the speed of forward travel of the machine carrying and pulling a set of elements comprising the selective metering unit.

23. (Currently amended) Device according to claim 12, wherein the set of elements comprising the selective metering unit is linked to the carrying and pulling machine (15) by means of a hydropneumatic suspension (14).

24. (Currently amended) Device according to claim 13, wherein the set of elements comprising the selective metering unit is linked to the carrying and pulling machine (15) by means of a hydropneumatic suspension (14).

25. (Currently amended) Device according to claim 14, wherein the set of elements comprising the selective metering unit is linked to the carrying and pulling machine (15) by means of a hydropneumatic suspension (14).

26. (Currently amended) Device according to claim 15, wherein the set of elements comprising the selective metering unit is linked to the carrying and pulling machine (15) by means of a hydropneumatic suspension (14).

27. (Currently amended) Device according to claim 16, wherein the set of elements comprising the selective metering unit is linked to the carrying and pulling machine (15) by means of a hydropneumatic suspension (14).

28. (Currently amended) Device according to claim 17, wherein the set of elements comprising the selective metering unit is linked to the carrying and pulling machine (15) by means of a hydropneumatic suspension (14).

29. (Currently amended) Device according to claim 18, wherein the set of elements comprising the selective metering unit is linked to the carrying and pulling machine (15) by means of a hydropneumatic suspension (14).

30. (Currently amended) Device according to claim 19, wherein the set of elements comprising the selective metering unit is linked to the carrying and pulling machine (15) by means of a hydropneumatic suspension (14).

31. (Currently amended) Device according to claim 20, wherein the set of elements comprising the selective metering unit is linked to the carrying and pulling machine (15) by means of a hydropneumatic suspension (14).

32. (Currently amended) Device according to claim 21, wherein the set of elements comprising the selective metering unit is linked to the carrying and pulling machine (15) by means of a hydropneumatic suspension (14).

33. (Currently amended) Device according to claim 22, wherein the set of elements comprising the selective metering unit is linked to the carrying and pulling machine (15) by means of a hydropneumatic suspension (14).